

Claims

- [c1] 1.A locking member for use in an optical disk drive with a chassis, comprising:
a hollow element including a hollow portion;
a protuberance, being integrally formed with the chassis and including a hole; and
a rivet, extending through the hole of the protuberance and the hollow portion of the hollow element;
wherein the rivet can be fixed to the chassis by riveting.
- [c2] 2.The locking member as claimed in claim 1, wherein a screw thread is integrally formed on the hollow portion of the hollow element, and a screw thread is integrally formed on a tubular projection of the rivet.
- [c3] 3.The locking member as claimed in claim 2, wherein the tubular projection of the rivet threads through the hollow portion of the hollow element.
- [c4] 4.The locking member as claimed in claim 1, wherein the hollow element and the rivet are of metallic material.
- [c5] 5.The locking member as claimed in claim 1, wherein the hollow element and the rivet are of plastic.

- [c6] 6.The locking member as claimed in claim 1, wherein the shape of the rivet can be a circle, a square, a triangle, or a polygon.
- [c7] 7.A locking member for use in an optical disk drive with a chassis, comprising:
a bushing including a hollow portion;
a protuberance, being integrally formed with the chassis and including a hole;
a washer, having a hole and aligned with the protuberance; and
a rivet, extending through the hole of the protuberance, the hole of the washer and the hollow portion of the bushing;
wherein the rivet can be fixed to the chassis by riveting.
- [c8] 8.The locking member as claimed in claim 7, wherein a screw thread is integrally formed on the hollow portion of the bushing, and a screw thread is integrally formed on a tubular projection of the rivet.
- [c9] 9.The locking member as claimed in claim 8, wherein the tubular projection of the rivet threads through the hollow portion of the bushing.
- [c10] 10.The locking member as claimed in claim 7, wherein the bushing, the washer and the rivet are of metallic ma-

terial.

- [c11] 11.The locking member as claimed in claim 7, wherein the bushing, the washer and the rivet are of plastic.
- [c12] 12.The locking member as claimed in claim 7, wherein the shape of the rivet can be a circle, a square, a triangle, or a polygon.
- [c13] 13.An optical disk drive, comprising:
a chassis;
a disk tray, positioned inside the chassis;
a locking mechanism, positioned on the disk tray;
a locking member, positioned on the chassis, the locking member having:
a hollow element including a hollow portion;
a protuberance, being integrally formed with the chassis and including a hole; and
a rivet, extending through the hole of the protuberance and the hollow portion of the hollow element;
wherein the locking mechanism of the disk tray pushes against the locking member of the chassis when the disk tray is pushed into the chassis, and wherein the locking mechanism of the disk tray does not contact the locking member of the chassis when the disk tray is pulled away from the chassis.

- [c14] 14.The optical disk drive as claimed in claim 13, wherein a screw thread is integrally formed on the hollow portion of the hollow element, and a screw thread is integrally formed on a tubular projection of the rivet.
- [c15] 15.The optical disk drive as claimed in claim 13, wherein the tubular projection of the rivet threads through the hollow portion of the hollow element.
- [c16] 16.The optical disk drive as claimed in claim 13, wherein the hollow element and the rivet are of metallic material.
- [c17] 17.The optical disk drive as claimed in claim 13, wherein the hollow element and the rivet are of plastic.
- [c18] 18.The optical disk drive as claimed in claim 13, wherein the shape of the rivet can be a circle, a square, a triangle, or a polygon.
- [c19] 19.An optical disk drive, comprising:
a chassis with a hole;
a disk tray, positioned inside the chassis;
a locking mechanism, positioned on the disk tray;
a locking member, positioned on the chassis and extending through the hole of the chassis, the locking member having:
a base;
a tubular projection;

an enlarged portion, integrally formed with the base and tubular projection;

wherein the disk tray is pushed into the chassis and the locking mechanism of the disk tray pushes against the locking member of the chassis, and wherein the disk tray is pulled away from the chassis and the locking mechanism of the disk tray does not contact the locking member of the chassis.